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**PATENT ABSTRACTS OF JAPAN**(21) Application number: **2000357027**(51) Intl. Cl.: **H04B 1/59 B65D 25/20 H04L**(22) Application date: **24.11.00**

(30) Priority:	(71) Applicant: <b>SUPERSENSOR PTY LTD</b>
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**(54) METHOD FOR FITTING  
RF TRANSPONDER TO  
CONTAINER**

(57) Abstract:

**PROBLEM TO BE SOLVED:** To provide a method for relaxing interference due to the reflection of a container where a transponder is fitted when receiving a signal that is transmitted for identifying the transponder and returning a response signal including an identification code, by utilizing the energy in an electronic identification device including a plurality of passive transponders.

**SOLUTION:** The container 10 is composed by reflection content 16 for reflecting a radio frequency energy in use. The transponder 22 having radio frequency label is fitted to the container. An identification device is operated by an energization signal having an operation wavelength of  $\lambda$ . The transponder is made by an antenna 26 that is composed by a

feeder element 26.1. The feeder element is separated from the reflection content 16 by an electrical distance of at least  $\lambda/100$ . A dielectric medium 20 is arranged between a feeder element and a reflection element, and separates the feeder element from the reflection content.

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